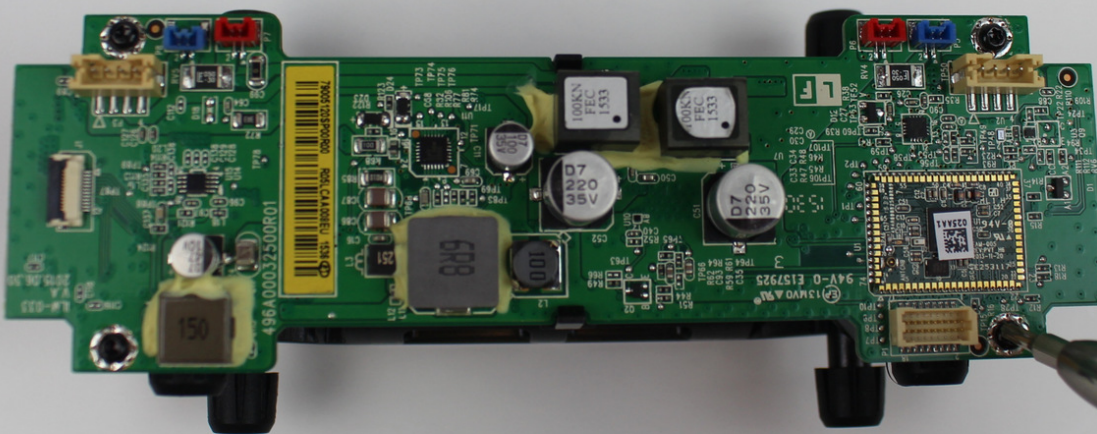




Fugoo Tough XL Motherboard Replacement

This guide would show you how to remove the shell and replace the motherboard.

Written By: Abdul



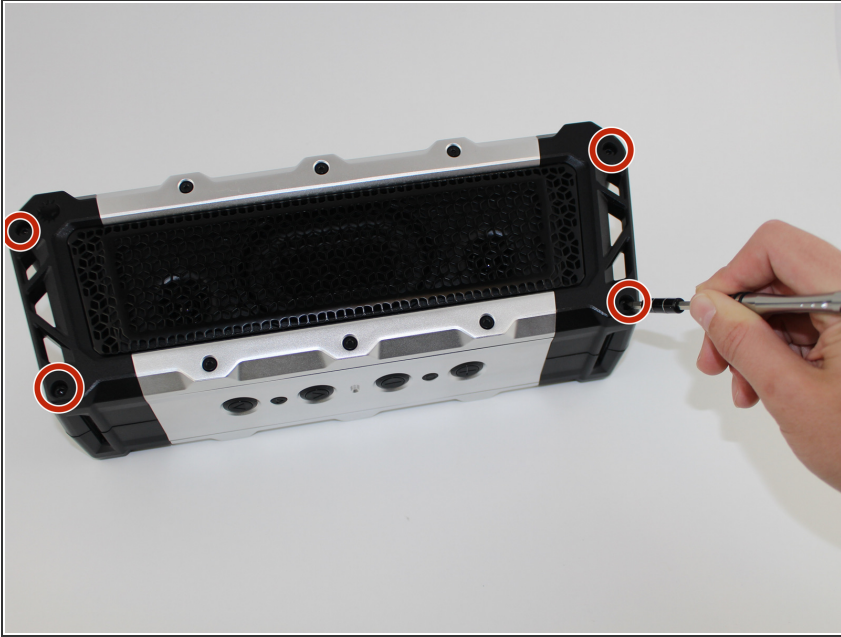
INTRODUCTION

Use this guide to remove and replace the motherboard.

TOOLS:

- [3mm Hex Key \(or Bit\)](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [T10 Torx Screwdriver](#) (1)
 - [Tweezers](#) (1)
-

Step 1 — Case



- Use a #3 Hex screwdriver to unscrew all four 3mm screws."

Step 2



- Gently remove the outer shell.

i It should be relatively easy to pull apart. Don't be afraid to apply a necessary force.

Step 3



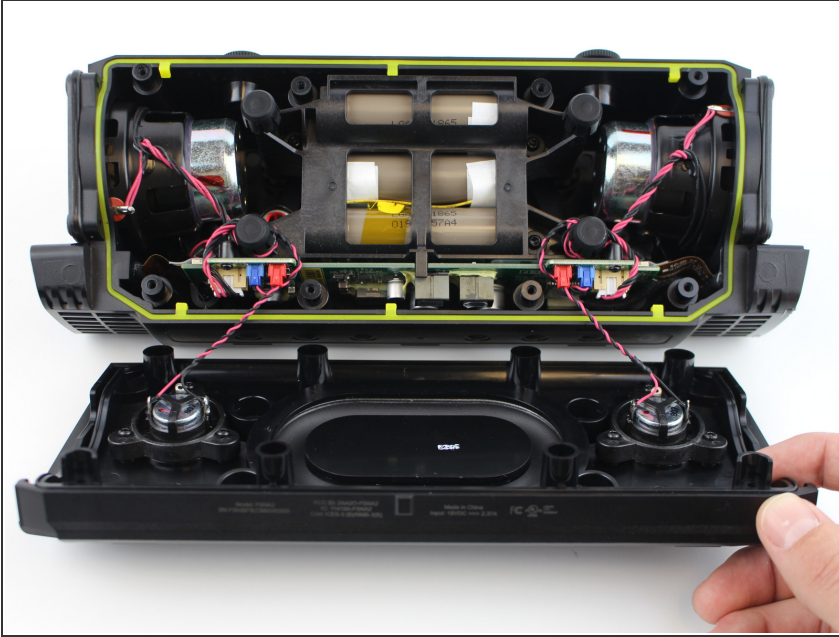
- Pull out the device from the external case.
- Unscrew all 12mm T Head screws using a T10 screwdriver.
- Unscrew all 6mm T Head screws using a T10 screwdriver.

Step 4



- Gently remove the side plates by using your hands to pull off.
 - Use plastic opening tool to pry off the back plate.
- ① Work on the side with the Fugoo trademark.

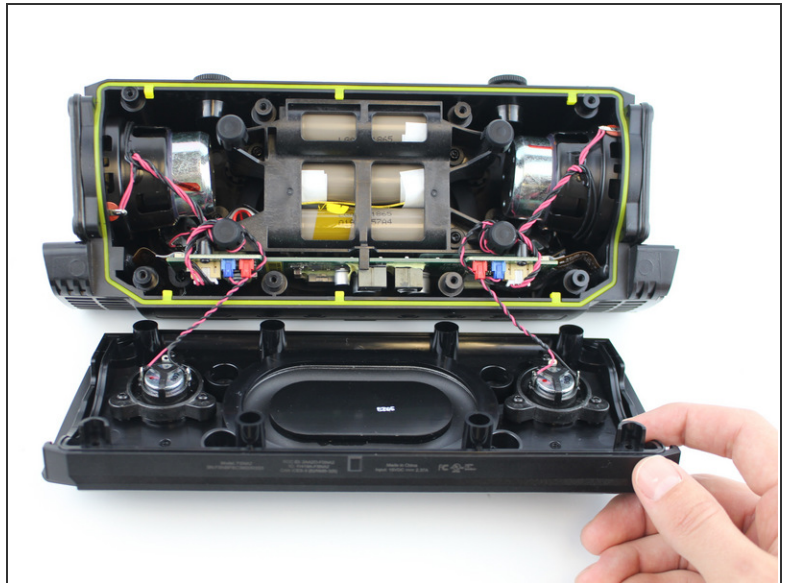
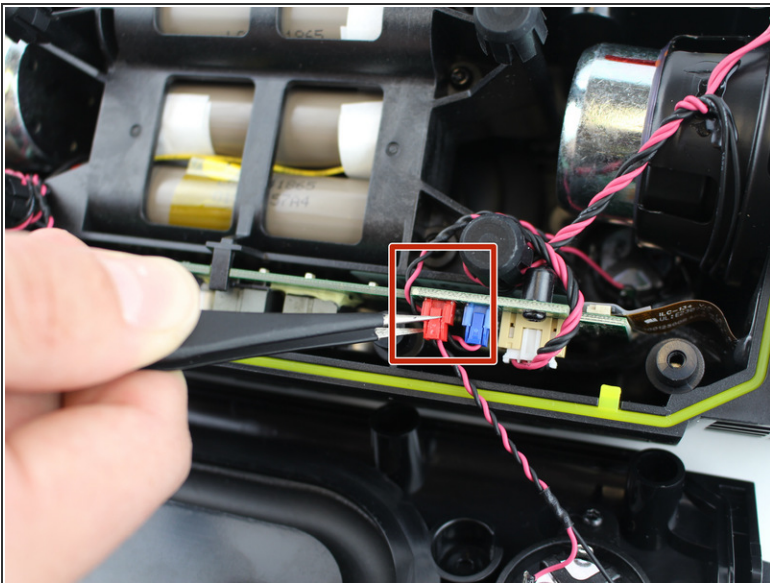
Step 5



- Pull apart the front casing from the back casing, slowly. Try to avoid any tension on any of the connected cables.

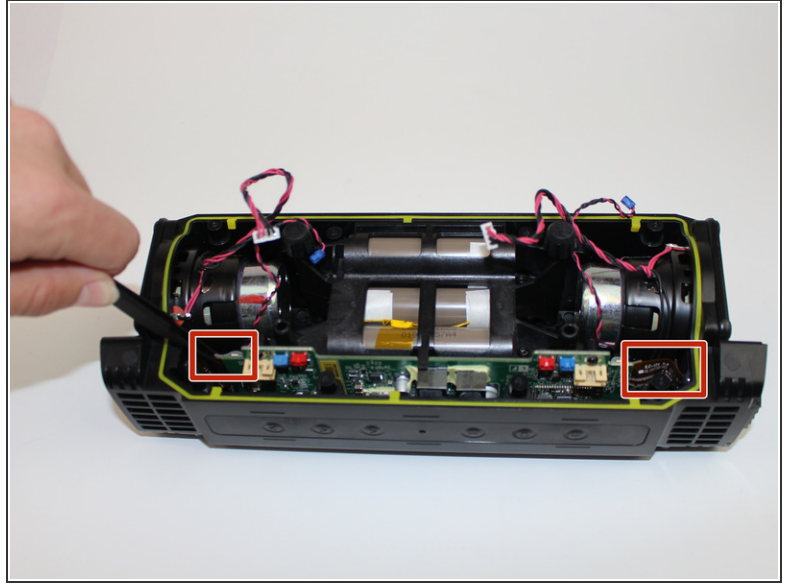
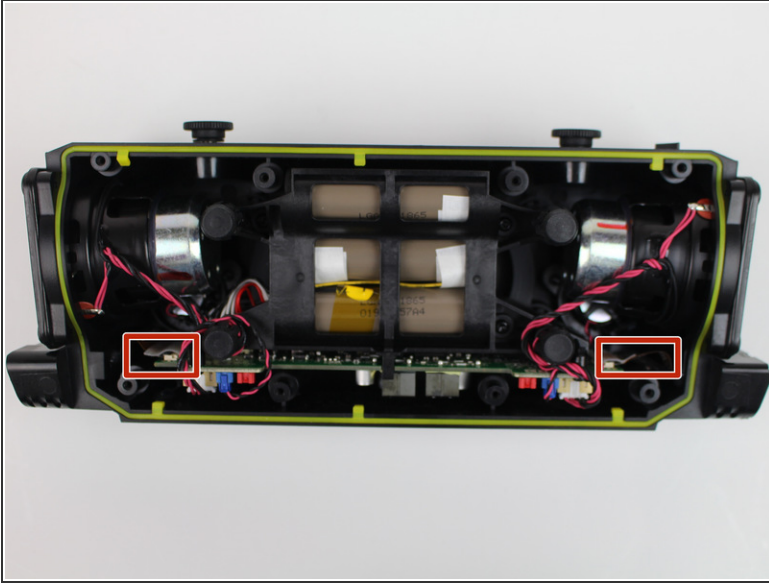
⚠ Separate at a slow constant force to avoid damage to the speaker cables.

Step 6 — Motherboard



- Carefully untangle the wires that are connected from the speaker to the motherboard.

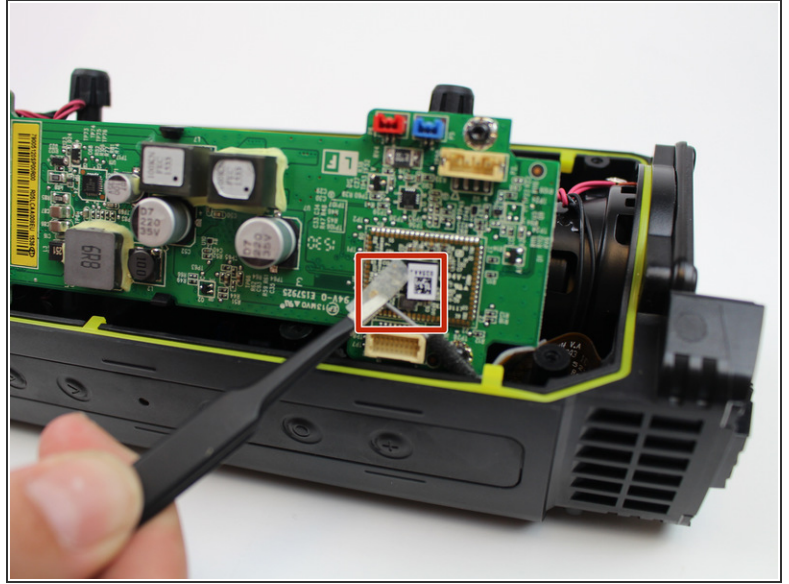
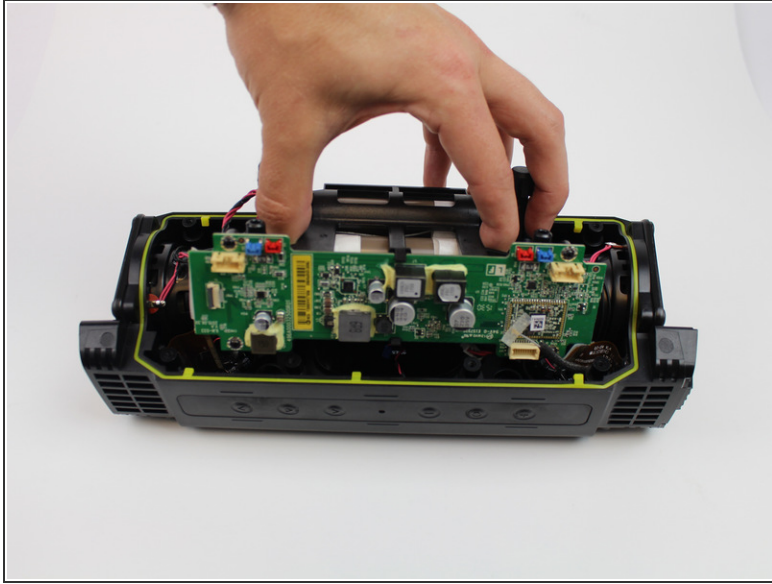
Step 7



- Use tweezers to remove two ribbon wires on left and right side of motherboard.

⚠ Do not pull the cables by the cord, as this could cause damage to the cables and/or motherboard. Always disconnect the cables from the base by the motherboard using an iFixit opening tool

Step 8



Pull out the motherboard halfway.

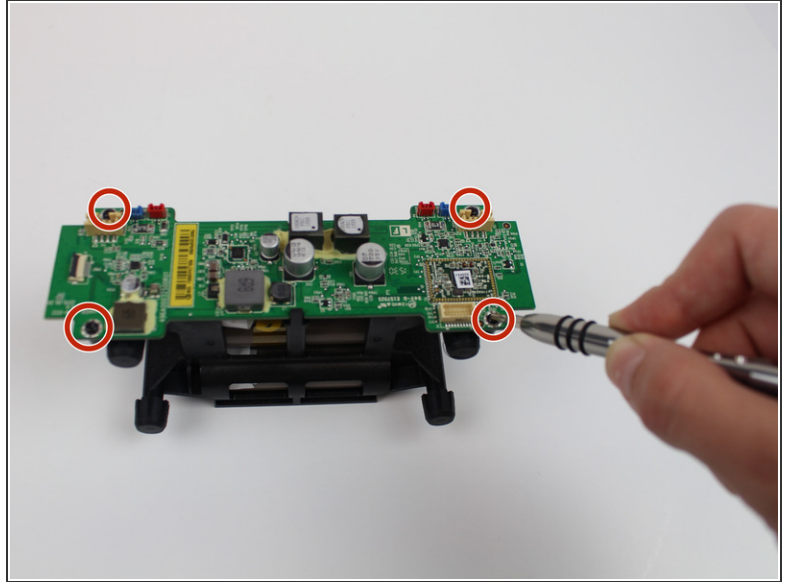


Unplug the ribbon gently using a tweezer.



There is a hidden ribbon on the motherboard, which becomes visible when the motherboard is been pulled out.

Step 9



- Remove the motherboard and battery from the device.
- Use a #3 Hex screwdriver to unscrew all four 3mm screws."

To reassemble your device, follow these instructions in reverse order.

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